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PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

TI-35856

First Inventor

Oliver Sohm

Title

Fast Fourier Transform Operation With Reduced Cache Penalty

Express Mail Label No.

EV334468039

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:Commissioner for Patents
P.O. Box 1450, Mail Stop: Patent Application
Alexandria, VA 22313-14501. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.3. ☒ Specification [Total Pages **37**]
(preferred arrangement set forth below)

- Descriptive title of the Invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) Informal [Total Sheets **7**]5. Oath or Declaration [Total Pages **2**]

- a. ☒ Newly Executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)

i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

Prior application information: Examiner

of prior application No: /

Group / Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Label**23494**or ☐ Correspondence address below

(Insert Customer No. or Attach bar code label here)

NAME **Robert D. Marshall, Jr.**

ADDRESS

CITY

STATE

ZIP CODE

COUNTRY

TELEPHONE

(972) 917-5290

FAX

(972) 917-4418

Name (Print/Type)

Robert D. Marshall, Jr.

Registration No. (Attorney/Agent)

28,527

Signature

Date

March 25, 2004

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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22581 U.S. PTO
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**FEE TRANSMITTAL
for FY 2003**

Patent fees are subject to annual revision.

Express Mailing Label No.: EV334468039

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) **770.00****Complete If Known**

Application Number	
Filing Date	March 25, 2004
First Named Inventor	Oliver Sohm
Examiner Name	
Art Unit	TI-35856
Attorney Docket No.	

METHOD OF PAYMENT

☐ Check ☐ Credit Card ☐ Money Order ☐ Other

☒ Deposit Account
 Deposit Account Number: 20-0668
 Deposit Account Name: Texas Instruments Incorporated

☐ Charge fee(s) indicated below ☐ Credit any overpayments

☐ Charge Any Additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION**1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770 201 355		Utility filing fee	\$770
1002 340 206 160		Design filing fee	
1003 530 207 245		Plant filing fee	
1004 770 208 355		Reissue filing fee	
1005 160 214 75		Provisional filing fee	
SUBTOTAL (1)			(\$770)

2. EXTRA CLAIM FEES

Extra Claims		Fee from below		Fee Paid	
Total Claims	11	-20**=	0	X	18 = 0
Independent Claims	2	-3**=	0	X	86 = 0
Multiple Dependent				X	290 =

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1202 18 203 9		Claims in excess of 20	
1201 86 202 40		Independent claims in excess of 3	
1203 290 204 135		Multiple dependent claim, if not paid	
1204 86 209 40		**Reissue independent claims over original patent	
1205 18 210 9		**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)			(\$ 0)

**or number previously paid, if greater; For Reissue, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	205	65	Surcharge - late filing fee of oath	
1052	50	227	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	139	130	Non-English specification	
1812	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	112	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
1251	110	215	55	Extension for reply within first month	
1252	420	216	195	Extension for reply within second month	
1253	950	217	445	Extension for reply within third month	
1254	1,480	218	695	Extension for reply within fourth month	
1255	2,010	228	945	Extension for reply within fifth month	
1401	330	219	155	Notice of Appeal	
1402	330	220	155	Filing a brief in support of an appeal	
1403	290	221	135	Request for oral hearing	
1451	1,510	138	1,510	Petition to institute a public use proceeding	
1452	110	240	55	Petition to revive - unavoidable	
1453	1,330	241	620	Petition to revive - unintentional	
1501	1,330	242	620	Utility issue fee (or reissue)	
1502	480	243	220	Design issue fee	
1503	640	244	300	Plant issue fee	
1460	130	122	130	Petitions to the Commissioner	
1807	50	123	130	Petitions related to Prov'l Apps (Proc. Fee under 37 CFR 1.17(q))	
1806	180	126	180	Submission of Information Disc. Stmt	
8021	40	581	40	Recording each patent assignment per property (times no. of properties)	
1809	770	246	355	Filing a submission after final rejection (37 CFR §1.129(a))	
1810	770	249	355	For each additional invention to be examined (37 CFR §1.129(b))	
1801	770	279	355	Request for Cont'd Examination (RCE)	
1802	900	169	900	Req. for expedited exam. of a Design App	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)**Complete (if applicable)**

SUBMITTED BY	Robert D. Marshall, Jr.	Registration No.	28,527	Telephone	(972) 917-5287
Name (Print/Type)	Robert D. Marshall	Date	March 25, 2004		
Signature					

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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